

2012 KENTUCKY ASTHMA PROGRAM FACT SHEET: BARREN RIVER AREA DEVELOPMENT DISTRICT

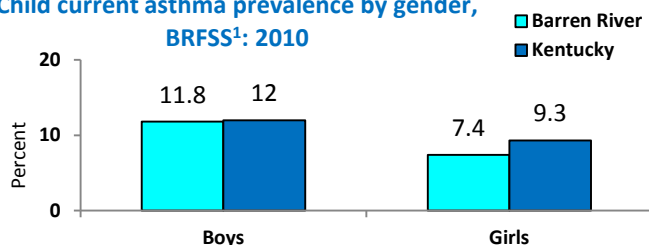
- The Barren River District of Kentucky is comprised of 10 counties: Logan, Simpson, Butler, Warren, Edmonson, Hart, Barren, Allen, Metcalfe, and Monroe.
- The 2011 Barren River District population was roughly 286,258. About 66,700 persons were younger than 18 (children), and about 219,600 were 18 or older (adults).



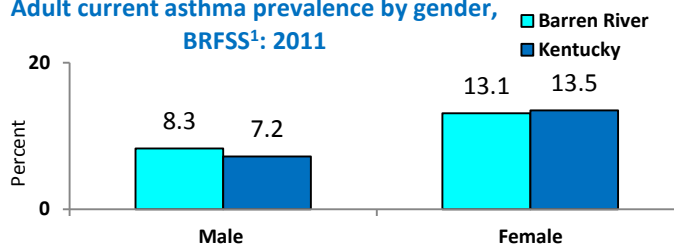
PREVALENCE

- In 2010, an estimated 6,200 children (9.6%) in the Barren River District currently had asthma, compared to 10.7% for Kentucky and 8.4% for the United States.¹ In 2011, an estimated 23,000 adults (10.8%) in the Barren River District currently had asthma, compared to 10.4% for Kentucky and 9.1% for the United States.¹

Child current asthma prevalence by gender,
BRFSS¹: 2010



Adult current asthma prevalence by gender,
BRFSS¹: 2011

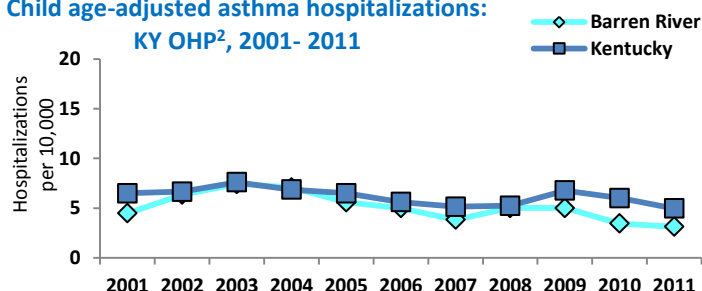


- In 2010, child current asthma prevalence rate was lower in the Barren River District compared to Kentucky. In 2011, adult current asthma prevalence rate was higher among females than males in this district. This pattern was similar for Kentucky. (NOTE: BRFSS 2010 data cannot be compared to BRFSS 2011 data because of change in methodology)

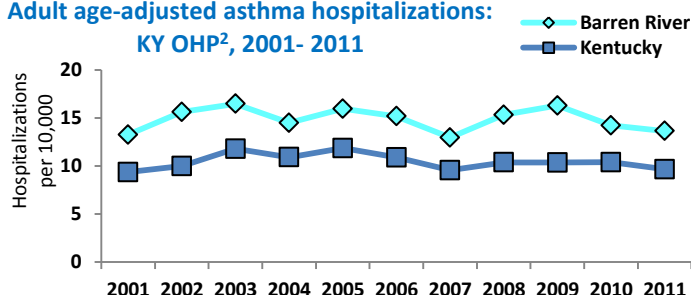
HOSPITALIZATIONS

- In 2011, the age-adjusted hospitalization rate for children was 3.1/10,000 persons compared to the Kentucky rate of 4.9/10,000 persons; while the age-adjusted hospitalization rate for adults was 13.7/10,000 persons compared to the Kentucky rate of 9.7/10,000 persons.

Child age-adjusted asthma hospitalizations:
KY OHP², 2001- 2011



Adult age-adjusted asthma hospitalizations:
KY OHP², 2001- 2011



- Overall, child asthma hospitalizations have been lower in Barren River District compared to Kentucky while adult hospitalization rates have been higher in this district compared to Kentucky. Between 2001 and 2011, the Barren River District averaged 10.0 total asthma hospitalizations/10,000 persons/year, while Kentucky averaged 8.3 total hospitalizations/10,000 persons/ year over the same 11 year period.²

EMERGENCY DEPARTMENT VISITS

- In 2011, the asthma Emergency Department (ED) visits for children were 1.5/1,000 persons, compared to the state rate of 1.9/1,000 persons³ and for adults were 1.7/1,000 persons compared to the state rate of 2.5/1,000 persons.³

MORTALITY

- Between 2001 and 2010, the average age-adjusted asthma deaths were 0.94 /100,000 persons/year in this district compared to 1.10/100,000 persons/year for Kentucky.⁴ In 2010, crude asthma death rates for Kentucky were 1.01/100,000 persons⁴ compared to the US crude death rate of 1.1/100,000 persons.⁵

NOTES:

1. Behavioral Risk Factor Surveillance System (BRFSS).

3. OHP: Preliminary data 2011.

5. CDC Wonder data: <http://wonder.cdc.gov/ucd-icd10.html>

2. Kentucky, Office of Health Policy (OHP), 2001-2011.

4. Office of Vital Statistics, Kentucky, 2001-2010.

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